ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)		DATE February 2000

BUDGET ACTIVITY 3 - Advanced Technology Development	PE NUMBER AND TITLE 0603007A Manpower, Personnel and Training Advanced Technology	PROJECT A792

COST (In Thousands)	FY 1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
A792 Personnel Performance and Training	2869	4981	3072	3115	3151	3726	3910	Continuing	Continuing

A. Mission Description and Budget Item Justification: The objective of this program is to develop and demonstrate soldier-oriented technologies to enhance soldier and unit performance. The reduction of training and other personnel costs through the development of effective training strategies that incorporate appropriate mixes of live, virtual, and constructive simulations is also a key goal of this program. Research and development (R&D) efforts include designing new ways to efficiently develop collective training; developing and demonstrating prototype training methods and programs that improve mission performance, devising training strategies using distributed training technology to conduct multi-site training, assessment, and feedback; and evaluating the effectiveness of compressed gunnery training strategies for the Reserve Component. R&D will also design innovative methods and technologies to develop effective leaders for small team operations and for developing Battle Commanders for the digitized battlefield. Work in this program element is consistent with the Army Science and Technology Master Plan, the Army Modernization Plan, and Project Reliance. This PE is managed by the U.S. Army Research Institute (ARI) for the Behavioral and Social Sciences.

FY 1999 Accomplishments:
- 2869   - Developed prototype platoon and company team training support packages for Force XXI (digital) operations in the Close Combat Tactical Trainer (CCTT).
  - Refined and expanded applications of the prototype Commanders' Integrated Training Tool (CITT) for the CCTT and other simulation environments, including digital operations.
  - Developed and evaluated methods that assess unit command climate, and analyzed trends related to soldier, training, quality of life, and readiness issues.
  - Developed and demonstrated procedures for transferring training and assessment techniques, developed for the Army Special Forces, to other, conventional Army units.
  - Completed research design to assess the capability of the BeamHit small arms simulator to support rifle marksmanship training in the Reserve Component (RC).

Total   2869

FY 2000 Planned Program:
- 4887   - Develop and refine performance assessment tools for digital unit training in the CCTT and other simulation environments.
  - Assess utility of Force XXI training packages, focusing on those produced by units using the CITT and other available tools.
  - Conduct an annual assessment of Army command climate, identifying trends and new issues of concern to soldiers.
  - Compare distance learning to traditional up-front training of procedural and cognitive artillery skills to determine skill acquisition and retention effects.

Project A792   *Page 1 of 2 Pages*   Exhibit R-2 (PE 0603007A)

Item 37

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)		DATE **February 2000**
BUDGET ACTIVITY **3 - Advanced Technology Development**	PE NUMBER AND TITLE **0603007A Manpower, Personnel and Training Advanced Technology**	PROJECT **A792**

FY 2000 Planned Program: (continued)

- Develop strategy that reduces live fire engagements needed to support weapons qualification, focusing on the Reserve Component.
- Develop prototype methods to enhance the Special Forces personnel assessment process, including new recruitment strategies and adaptability assessment tools.
- Develop aircrew coordination training program.

- 94 - Small Business Innovative Research/Small Business Technology Transfer Programs (SBIR/STTR)

Total   4981

FY 2001 Planned Program:

- 3072 - Develop and demonstrate new training and performance assessment technologies that prepare operators and commanders to take advantage of evolving digital systems.
- Conduct annual assessment of Army command climate, identifying trends and new issues of concern to soldiers.
- Evaluate strategy that reduces live fire engagements needed to support weapons qualification, focusing on the Reserve Component
- Test Internet delivery of collaborative learning over time versus platform instruction.

Total   3072

B. Program Change Summary	FY 1999	FY 2000	FY 2001
Previous President's Budget (FY 2000/2001 PB)	2949	3030	3074
Appropriated Value	3021	5030	
Adjustments to Appropriated Value			
a. Congressional General Reductions	-72		
b. SBIR / STTR	-42		
c. Omnibus or Other Above Threshold Reductions		-14	
d. Below Threshold Reprogramming	-26		
e. Rescissions	-12	-35	
Adjustments to Budget Years Since FY 2000/2001 PB			
Current Budget Submit (FY 2001 PB)	2869	4981	3072

Project A792   *Page 2 of 2 Pages*   Exhibit R-2 (PE 0603007A)

Item 37